

6/30/03

Sheet 1 of 2

FORM PTO-1449 (REV. 7-80) (Title Amended 3/83)  INFORMATION DISCLOSURE STATEMENT BY APPLICANT-- <u>LIST OF ITEMS</u>  <i>(Use several sheets if necessary)</i>				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 121278-1	SERIAL NO.		
				Applicant		Canan Uslu Hardwicke et al.			
				Filing Date		Group			
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL	DOCUMENT NUMBER			DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HEA	AA	6	3	8	3	6	0	2	05/07/02 Fric et al.
HEA	AB	6	3	6	8	0	6	0	04/09/02 Fehrenbach et al.
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
	AL							YES	No
	AM								
	AN								
	AO								
	AP								
OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)									
HEA	AR	Patent Application, Canan U. Hardwicke et al., Serial Number 10/065,816, filed November 22, 2002, Docket Number 120365-1.							
HEA	AS	Ronald S. Bunker, "Film Cooling Effectiveness due to Discrete Holes within a Transverse Surface Slot," IGTI Turbo Expo Int'l, Gas Turbine Conference and Exposition, June 3-6, 2002, Amsterdam, GT-2002-30178, pp. 1-10.							
HEA	AT	Masir Hasan et al., "Film Cooling from a Single row of Cylindrical Angled Holes with Triangular Tabs having different Orientations," ASME Turbo Expo 2001, June 4-7, 2001, New Orleans, Louisiana, USA, 2001-GT-0124, pp. 1-8.							
EXAMINER	<i>Mark Almonte</i>				DATE CONSIDERED				11/2/05
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

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	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      No
	BL						
	BM						
	BN						
	BO						
	BP						
<b>OTHER INFORMATION (Including Author, Title, Date, Pertinent pages, Etc.)</b>							
HEA	BR	D. G. Hyams et al., "A Detailed Analysis of Film Cooling Physics: Part III-Streamwise Injection with Shaped Holes," ASME, Volume 122, January 2000, pp. 122-132.					
	BS						
	BT						
EXAMINER	<i>End Almst.</i>			DATE CONSIDERED	<i>1/12/05</i>		
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

FORM PTO-1449  
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(Title Amended 3/83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

121278-1

SERIAL NO.

10/611,745

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT--

LIST OF ITEMS

(Use several sheets if necessary)

Filing Date

June 30, 2003

Group

374 TRADEMARK COOPER

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA								
AB								
AC								
AD								
AE								
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AG								
AH								
AI								
AJ								
AK								

## FOREIGN PATENT DOCUMENTS

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								YES No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER INFORMATION (Including Author, Title, Date, Pertinent pages, Etc.)

HEA	AR	K. B. M. Q. Zaman, "Reduction of Jet Penetration in a Cross-flow by Using Tabs", Nasa Lewis Research Center, AIAA-98-3276, 34th AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit, July 13-15, 1998, Cleveland, OH, pp. 1-8.
HEA	AS	L. J. S. Bradbury & A. H. Khadem, "The distortion of a jet by tabs", J. Fluid Mech. (1975), vol. 70, part 4, pp. 801-813.
HEA	AT	K. B. M. Q. Zaman & J. K. Foss, "The effect of vortex generators on a jet in a cross-flow", 1997 American Institute of Physics, Phys. Fluids 9 (1), January 1997, pp. 106-114.

EXAMINER

*John Clark*

DATE CONSIDERED

11/2/05

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